

#16.

Hawaiian Explorations.

D^r. 4052-4060.

HY. 4517-4557.

July 14th - 17th, 1902

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Hutchinson

No. *S* 4052 Date *July 14, 1902.**Sigsbee* Machine #1 Reel. *Star.*

Turns 233 Cor. + 23 Depth 256 fms

Shot or lead 36 lbs.

Bottom *fine Lava, br S. R.*

Bottom temperature 46°

No. of thermometer 92442 Cor.

Corrected temperature

Air 84 Surface 79 Drift

Trawl or dredge *1/2 Blake with apron*

{ N 14° E, 6/10'

SOUNDING WIRE.

DOWN.

UP.

TURNS

DREDGE ROPE.

DOWN.

UP.

<i>9</i> 16.40	22.05	0	<i>9</i> 20.20	43 =
17.40	20.55	100	24.20	40.05
18.35	19.45	200	27.50	37 =
19 =	19.25	300	31.20	33.35
		315		33 =
		400		
		500		
		600		
		700		
		800		
		900		
<i>Marks end of</i>		1000		
<i>S</i> 4051		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kealakekua Light, East, $19\frac{9}{10}$ °.

OK
HCS.
3

no drift on
bottom -

220
23
256

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Skirt 10's			
50	52	4052		
100	Hy	4517		
200				
300				
400	Blake net:			
500		no catch recorded.		
600				
700				
800				
900				
1000				

REMARKS:

Heavy strain at 300 fms, im-
mured heaving in immediately.
Lost $5\frac{1}{2}$ Blake glass float.
apron and net were
wrecked; fragment only recovered.

*Hutchinson*No. *4517* Date *July 14-02**Sigsbee* Machine. # *1* Reel. *Navy*Turns *70* Cor. + *7* Depth *77 fms*Shot or lead *36 lbs*Bottom *fine, co. S. Grav. Sp.*Bottom temperature *71.10*No. of thermometer *92442* Cor.

Corrected temperature

Air *84* Surface *79* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*9-44.20**46.30*

0

*45 =**45.25*

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*Marks end of
50 4052.*

Kealahakua Light, 871° E., 1 8/10'.

OK
H.C.F.
3

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4518* Date *14 July 1902*
Sigsbee Machine. *1* Reel. *Wray*
 Turns *470* Cor. + *47* Depth *517 fms*
 Shot or lead *69 #1*
 Bottom *gy S. Lang. Fr*
 Bottom temperature *37.5*
 No. of thermometer *92442* Cor.
 Corrected temperature
 Air *86* Surface *80* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.41.30</i>	<i>2.51.20</i>	0		
<i>42.10</i>	<i>50.15</i>	100		
<i>43.00</i>	<i>49.20</i>	200		
<i>43.50</i>	<i>48.20</i>	300		
<i>44.35</i>	<i>47.30</i>	400		
<i>45.20</i>	<i>46.50</i>	<i>470</i>		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kealakekua Light, ~~South~~ ⁵⁸/₁₀ North

OK
5/10/03
/

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

4810 2000

470
47
5-11

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Faint
 No. 4519 *Hy* Date 14 July 1902
Super Machine. 1 Reel. Navy
 Turns 673 Cor. + 67 Depth 740 *fm*
 Shot ~~or lead~~ 60 *X*
 Bottom Lava S.
 Bottom temperature 78.2
 No. of thermometer 92442 Cor.
 Corrected temperature
 Air 84 Surface 80 Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.34.30	3.48.00	0		
35.10	47.00	100		
35.55	46.00	200		
36.35	45.00	300		
37.20	44.00	400		
38.10	43.00	500		
39.00	42.00	600		
39.40	41.10	673		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kialakekua Point, N 10° W., 10 ⁸/₁₀'

OK
H.B.
2

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

4810 255

³
6767
40
7

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4520* Date *11 July 1901*
Sigsbee Machine. / Reel. *None*
 Turns *9016* Cor. + *97* Depth *9113 fms*
 Shot or lead *60 lbs*
 Bottom *fine s. for.*
 Bottom temperature *36.0*
 No. of thermometer *75235* Cor. *+ 0.1*
 Corrected temperature *36.1*
 Air *84.0* Surface *80.0* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>4.08.45</i>	<i>4.29.05</i>	0		
<i>09.30</i>	<i>28.05</i>	100		
<i>10.15</i>	<i>27.10</i>	200		
<i>11.05</i>	<i>26.15</i>	300		
<i>12.00</i>	<i>25.15</i>	400		
<i>13.50</i>	<i>24.20</i>	500		
<i>13.40</i>	<i>23.20</i>	600		
<i>14.30</i>	<i>22.15</i>	700		
<i>15.25</i>	<i>21.15</i>	800		
<i>16.25</i>	<i>20.05</i>	900		
<i>17.20</i>	<i>4.18.50</i>	1000		
<i>17.30</i>	<i>-:-</i>	1016		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kialakakua Point, N. 30° E. 12 ³/₁₀

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

4610
1016
2794

25
158
97
1016
1113

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Hy. 4521* Date *May 22*
Sigsbee Machine. / Reel. *Hand*
 Turns *669* Cor. + *67* Depth *736 fms.*
 Shot or lead *60 lbs.*
 Bottom *gy. S. gy. m. for*
 Bottom temperature *35*
 No. of thermometer *98235* Cor. *+0.1*
 Corrected temperature *38.1*
 Air *84°* - Surface *80°* - Drift
 Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>5.12.45</i>	<i>25.40</i>	0		
<i>13.25</i>	<i>24.40</i>	100		
<i>14.05</i>	<i>23.40</i>	200		
<i>15.55</i>	<i>22.40</i>	300		
<i>17.40</i>	<i>21.40</i>	400		
<i>19.25</i>	<i>20.40</i>	500		
<i>21.15</i>	<i>19.40</i>	600		
<i>5.18.45</i>	<i>5.18.40</i>	<i>660</i> 700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kalakekua Point, N 30° 30' E, 17 ⁴/₁₀'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

4810
660
4150

25
188
213

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Turns

Cor. +

Reel.

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Corrected temperature

Air

82° -

Surface

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6.00.10	6.14.20	0		
00.55	18.00	100		
10.25	17.05	200		
11.20	16.05	300		
12.10	15.10	400		
6.12.00	6.14.05	500		
		550		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kelakekua Point 21° 15' 2.5" N 155° 22' 51" W

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
505		3400	
51		3500	
		3600	
4810	255	3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

kil.

4523. Date

14 July '02.

Sigsbee Machine #1 Reel.

Turns 592 Cor. +

Depth 592 fms.

Shot or lead 60 lbs.

Bottom for Lava

Bottom temperature 38.1

No. of thermometer 98235 Cor. +0.1

Corrected temperature 38.2

Air 79.° Surface 78.° Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

7.06.45	7.18.40	0		
07.30	17.40	100		
08.15	16.40	200		
09.00	15.25	300		
09.55	14.35	400		
10.45	13.25	500		
7.11.40	7.12.30	592		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Ka Lae Point, 14° 15' N, 141° 10' E

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
6500
7000
7500
8000
8500
9000
9500
10000
10500
11000
11500
12000
12500
13000
13500
14000
14500
15000
15500
16000
16500
17000
17500
18000
18500
19000
19500
20000
20500
21000
21500
22000
22500
23000
23500
24000
24500
25000
25500
26000
26500
27000
27500
28000
28500
29000
29500
30000
30500
31000
31500
32000
32500
33000
33500
34000
34500
35000
35500
36000
36500
37000
37500
38000
38500
39000
39500
40000
40500
41000
41500
42000
42500
43000
43500
44000
44500
45000
45500
46000
46500
47000
47500
48000
48500
49000
49500
50000
50500
51000
51500
52000
52500
53000
53500
54000
54500
55000
55500
56000
56500
57000
57500
58000
58500
59000
59500
60000
60500
61000
61500
62000
62500
63000
63500
64000
64500
65000
65500
66000
66500
67000
67500
68000
68500
69000
69500
70000
70500
71000
71500
72000
72500
73000
73500
74000
74500
75000
75500
76000
76500
77000
77500
78000
78500
79000
79500
80000
80500
81000
81500
82000
82500
83000
83500
84000
84500
85000
85500
86000
86500
87000
87500
88000
88500
89000
89500
90000
90500
91000
91500
92000
92500
93000
93500
94000
94500
95000
95500
96000
96500
97000
97500
98000
98500
99000
99500
100000

255

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4525* Date *14 July 32.**Sigsbee* Machine. *R* / Reel. *Reel*Turns *1056* Cor. + *101* Depth *1157 fms.*Shot or lead *60* Lbs.Bottom *fine Lava S.*Bottom temperature *36*No. of thermometer *98235* Cor. *+0.1*Corrected temperature *36.1*Air *79°* - Surface *78°* - Drift~~Trawl or dredge~~

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>7.51.30</i>	<i>13.35</i>	0		
<i>51.50</i>	<i>12.30</i>	100		
<i>52.25</i>	<i>11.25</i>	200		
<i>53.20</i>	<i>10.25</i>	300		
<i>54.15</i>	<i>09.25</i>	400		
<i>55.15</i>	<i>08.25</i>	500		
<i>56.10</i>	<i>07.25</i>	600		
<i>56.55</i>	<i>06.25</i>	700		
<i>57.55</i>	<i>05.25</i>	800		
<i>58.55</i>	<i>04.25</i>	900		
<i>59.55</i>	<i>02.50</i>	1000		
<i>5-00.30</i>	<i>02.00</i>	1056 1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Ka. 11.11.11. 11.11.11. 11.11.11.

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
11810	255	3700	
1056	1541	3800	
	101	3900	
3754	1056	4000	
	1157		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

22.5

No. *4525* Date *July 18 1897*

Machine. *#1* Reel. *Stony*

Turns *872* Cor. + *56* Depth *928 fms*

Shot or lead *65 lbs*

Bottom *fine sand & shells*

Bottom temperature *36.50*

No. of thermometer *98235* Cor. *+0.1*

Corrected temperature *36.6*

Air *79* Surface *77* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>9.15.25</i>	<i>34.45</i>	0
<i>16.00</i>	<i>33.40</i>	100
<i>16.50</i>	<i>32.40</i>	200
<i>17.45</i>	<i>31.40</i>	300
<i>18.45</i>	<i>30.35</i>	400
<i>19.40</i>	<i>29.30</i>	500
<i>20.40</i>	<i>28.20</i>	600
<i>21.25</i>	<i>27.05</i>	700
<i>22.40</i>	<i>25.55</i>	800
<i>23.10</i>	<i>25.00</i>	<i>872</i> 900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

Lat. 10° 10' N, Long. 151° 45' E, 90'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
4810	355	3600	
872	169	3700	
3738	86	3800	
	872	3900	
	958	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Oct 27.8

No. *414 4536* Date *Aug 14.8*

Machine / Reel. *Hand*

Turns *950* Cor. + *95* Depth *1045 fms*

Shot or lead *60 lbs.*

Bottom *fine gy S. M.*

Bottom temperature *36.1*

No. of thermometer *75335* Cor. *+0.1*

Corrected temperature *36.2*

Air *79* Surface *77* Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

<i>10-43.20</i>	<i>06.05</i>	0		
<i>44.25</i>	<i>05.00</i>	100		
<i>45.20</i>	<i>04. =</i>	200		
<i>46.15</i>	<i>02.55</i>	300		
<i>47.15</i>	<i>01.50</i>	400		
<i>48.15</i>	<i>11-00.40</i>	500		
<i>49.15</i>	<i>59.30</i>	600		
<i>50.15</i>	<i>58.20</i>	700		
<i>51.15</i>	<i>57. =</i>	800		
<i>52.15</i>	<i>55.35</i>	900		
<i>53.15</i>	<i>54.15</i>	<i>1000</i>		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4000

4510	255
980	160
<hr/> 3830	95
	950
	<hr/> 1075

REMARKS:

No. *4527 Hy* Date *16 July 1902*
Sigsbee Machine. *1* Reel. *Heavy*
 Turns *498* Cor. + *50* Depth *548 fm*
 Shot or lead *60 lb*
 Bottom *Co. S. Sh. 46°*
 Bottom temperature
 No. of thermometer *98721* Cor. *+0.1*
 Corrected temperature *40.1*
 Air *79* Surface *76* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12.17.30</i>	<i>12.28.11</i>	0		
<i>14.30</i>	<i>28.50</i>	100		
<i>16.11</i>	<i>27.30</i>	200		
<i>20.10</i>	<i>26.15</i>	300		
<i>21.11</i>	<i>25.55</i>	400		
<i>12.22.00</i>	<i>12.23.30</i>	<i>498</i>		
		500		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

1850
 In Line Buoy, 31 7/18 17, 2-10

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
4810	3500	WT
419	3600	2.5
4312	3700	1.0
49	3800	
50	3900	
54	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
4570	1570	3600	
1570	117	3700	
3250	139	3800	
	1525	3900	
	1663	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4529

Date July 10

Machine. 1

Reel. 1

Turns 1964 Cor. + 170

Depth 2134

Shot or lead 60

Bottom

Bottom temperature

No. of thermometer 98230

Cor. + 0.1

Corrected temperature 35.1

Air 75.0 - Surface -6.0 - Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

3.36.00	4.28.00	0		
3.37.00	27.35	100		
3.38.00	26.10	200		
3.39.00	25.00	300		
3.40.00	23.55	400		
3.41.00	22.50	500		
3.42.00	21.50	600		
3.43.00	20.45	700		
3.44.00	19.40	800		
3.45.00	18.30	900		
3.46.00	17.15	1000		
3.47.00	16.00	1100		
3.48.00	14.50	1200		
3.49.00	13.40	1300		
3.50.00	12.15	1400		
3.51.00	11.30	1500		
3.52.00	10.40	1600		
3.53.00	09.50	1700		
3.54.00	08.40	1800		
3.55.00	07.30	1900		
3.56.00	06.20	2000		
3.57.00	05.20	2100		

*) After 4.11.10 the 2000 Register was lifted
 accidentally and 82300 fms came up with
 out being Register - 2400.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

4810 205
196 80
2846 170
1064
2134
1112

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. 528

No.

4520

Date

15 Oct '02.

Machine.

Reel.

Turns 860 Cor. +

85

Depth

945 fms.

Shot or lead

60 Lbs.

Bottom

Lava S. For.

Bottom temperature

36.9

No. of thermometer

98235

Cor.

+0.1

Corrected temperature

37.0

Air

78° -

Surface

76° -

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

6.22.15	6.16.50	0
25.10	15.55	100
27.05	17.00	200
29.00	18.05	300
30.55	19.10	400
32.50	20.15	500
34.45	21.20	600
36.40	22.25	700
38.35	23.30	800
40.30	24.35	900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

21. Dec. 1910, 867-71, 14 ²/₁₀

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
5810	255	3500	
860	170	3600	
1050	85	3700	
	9.10	3800	
	245	3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4521* Date *15 July '02*
S. 111 Machine. Reel. *Thompson*
 Turns *512* Cor. + *51* Depth *563 fms.*
 Shot or lead *60 Lbs.*
 Bottom *Loam S. M. S.*
 Bottom temperature *39.1*
 No. of thermometer *45235* Cor. *+0.1*
 Corrected temperature *39.2*
 Air *75°* Surface *77°* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7.37.50</i>	<i>7.48.30</i>	0		
<i>38.45</i>	<i>48.25</i>	100		
<i>39.55</i>	<i>48.20</i>	200		
<i>40.20</i>	<i>45.15</i>	300		
<i>41.10</i>	<i>44.10</i>	400		
<i>7.42.00</i>	<i>7.42.05</i>	500		
		<i>512</i>		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

St. Lawrence Sound, 1/52 71 1-49

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
4810	255	3600	
512		3700	
57		3800	
563		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

O. L. 625

No. *14* Date *July 1888*Machine. *Sigsbee*Reel. *Hand*Turns *660* Cor. + *66* Depth *726 fms*Shot or lead *60 lbs.*Bottom *fm Lava*Bottom temperature *38.5*No. of thermometer *75265*Cor. *+0.1*Corrected temperature *38.1*Air *74* Surface *77* Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

<i>8- 41.25</i>	<i>55.45</i>	0		
<i>42.15</i>	<i>54.40</i>	100		
<i>43.15</i>	<i>53.40</i>	200		
<i>44.10</i>	<i>52.35</i>	300		
<i>45.10</i>	<i>51.40</i>	400		
<i>46.10</i>	<i>50.40</i>	500		
<i>47.10</i>	<i>49.40</i>	600		
<i>48 =</i>	<i>49.00</i>	620		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

No. 4810 3000 2150'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
4810	3500	2.50
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4553* Date *July 18 1882*Machine. *#1* Reel. *Hand*Turns *226* Cor. + *73* Depth *299 fms*Shot or lead *36 lbs.*Bottom *gy. S. Shk.*Bottom temperature *39.0*No. of thermometer *71200*Cor. *+0.1*Corrected temperature *38.9*Air *77* Surface *77*

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>47.19</i>	<i>55.10</i>	0		
<i>47.45</i>	<i>55.15</i>	100		
<i>48.11</i>	<i>55.20</i>	200		
<i>48.42</i>	<i>55.25</i>	300		
<i>49.10</i>	<i>55.30</i>	400		
<i>49.45</i>	<i>55.35</i>	500		
<i>50.10</i>	<i>55.40</i>	<i>526</i>		
<i>50.45</i>	<i>55.45</i>	600		
<i>51.10</i>	<i>55.50</i>	700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

La Jolla Point, 8/4/20 7. 26.0

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4534* Date *Aug 15th*
Machine Machine. *71* Reel. *71*
 Turns *650* Cor. + *65* Depth *715 fms*
 Shot or lead *65 lbs*
 Bottom *Mr. S. Shov-*
 Bottom temperature *38.1°*
 No. of thermometer *75235* Cor. *+ 0.1*
 Corrected temperature *38.2*
 Air *77* Surface *77* Drift
 Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>10.53.45</i>	<i>07.15</i>	0
<i>54.40</i>	<i>06.10</i>	100
<i>55.25</i>	<i>05.15</i>	200
<i>56.15</i>	<i>04.15</i>	300
<i>57.10</i>	<i>03.10</i>	400
<i>58.10</i>	<i>02.15</i>	500
<i>59.40</i>	<i>11.03.40</i>	600
		700
		800
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

No. Lat. Unit 95° 15' 7" 24.

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
4810	200	3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine. # / Reel.

Turns 72' Cor. +

Depth 792 fms

Shot or lead 60 lbs.

Bottom vol. S. Slo.

Bottom temperature 37.5°

No. of thermometer 71235

Cor. +0.1

Corrected temperature 37.6

Air 77

Surface 77

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

115 34.05	29.10	0		
35.10	29.05	100		
35.50	29.05	200		
36.45	29.05	300		
37.40	29.00	400		
38.00	29.00	500		
39.30	29.00	600		
40.30	29.00	700		
40.51	29.40	721		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

K. L. Point, 85° 10' W. 30⁵/₁₀.

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
4810	255	3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4006* Date *10/14/1902*
 Machine. Reel.
 Turns *90* Cor. + *7.9* Depth *97.9*
 Shot or lead
 Bottom
 Bottom temperature
 No. of thermometer *9825* Cor.
 Corrected temperature
 Air *74* Surface *77* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11.30.15</i>	<i>12.30.15</i>	0		
<i>21.40</i>	<i>30.10</i>	100		
<i>31.50</i>	<i>39.00</i>	200		
<i>42.00</i>	<i>48.00</i>	300		
<i>52.10</i>	<i>57.00</i>	400		
<i>62.20</i>	<i>66.00</i>	500		
<i>72.30</i>	<i>75.00</i>	600		
<i>82.40</i>	<i>84.00</i>	700		
<i>92.50</i>	<i>93.00</i>	800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Ka Lae Point, \$60.00, 320'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
4810	3500	255-
710	3600	
4020	3700	
790	3800	
790	3900	
790	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Lat. 04, 6

No. 1134 Date 15 May 07

Machine. Reel.

Turns 1175 Cor. + 110 Depth 1-32 74

Shot or lead 60 #

Bottom sand, S. Glob.

Bottom temperature 32.5

No. of thermometer 98735 Cor. + 0.1

Corrected temperature 32.4

Air 76 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.24.10	1.41.30	0		
1.24.30	1.41.10	100		
1.24.50	1.40.50	200		
1.25.10	1.40.30	300		
1.25.30	1.40.10	400		
1.25.50	1.39.50	500		
1.26.10	1.39.30	600		
1.26.30	1.39.10	700		
1.26.50	1.38.50	800		
1.27.10	1.38.30	900		
1.27.30	1.38.10	1000		
1.27.50	1.37.50	1100		
1.28.10	1.37.30	1175		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

72.8

No. 1458 Date July 1908

Machine. Reel.

Turns 1318 Cor. + 121 Depth 1439

Shot or lead

Bottom vol. 2.

Bottom temperature

No. of thermometer 9823.5 Cor. + 0.1

Corrected temperature 35.3

Air 77 Surface 70 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3.11.00	41.00	0
30.51	40.00	100
28.40	39.00	200
27.30	38.00	300
25.20	37.00	400
24.10	36.00	500
22.10	35.00	600
20.10	34.00	700
18.10	33.00	800
16.20	32.00	900
14.20	31.00	1000
12.20	30.00	1100
10.20	29.00	1200
8.30	28.00	1300
3.32.50	3.34.10	1318
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

W. Lee Point, S. 62° 45' 74" 46 7/10

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4810 255
1318 13 27
3492 121
1318
1439

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *H. 4539*. Date *15 July '02*Machine. / Reel. *Hand*Turns *582* Cor. + *58*Depth *640 fms.*Shot or lead *35 lbs.*Bottom *vol. S.*Bottom temperature *38.7*No. of thermometer *98235* Cor. *+0.1*Corrected temperature *38.8*Air *78°* - Surface *76°* - Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>5.22.20</i>	<i>5.26.20</i>	0		
<i>24.15</i>	<i>35.30</i>	100		
<i>25.20</i>	<i>34.35</i>	200		
<i>26.25</i>	<i>33.35</i>	300		
<i>27.40</i>	<i>32.30</i>	400		
<i>28.45</i>	<i>31.30</i>	500		
<i>5.29.15</i>	<i>5.30.40</i>	<i>582</i> <i>next</i>		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Cape Kumukahi, N 34° E., 5 ³/₁₀'

11.26

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

110

255

582

58

540

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. = 5.8

No. *4540*. Date *15 July '02*.

Sigsbee Machine. Reel. *No.*

Turns *505* Cor. + *50* Depth *555 fms*

Shot or lead *60 lbs*

Bottom *cr Vol S. G. Fr*

Bottom temperature *39.5*

No. of thermometer *982345* Cor. + *0.1*

Corrected temperature *39.6*

Air *79.* - Surface *76.* - Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

6. 33.30 6.44.30

34.30 43.20

35.20 42.30

36.10 41.25

37.05 40.30

6. 38.15 6.39.30

6. 38.15 (x)

x) by hand.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Cape Kumukahi N 8° W. 30'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
4810	3700	2.55
505	3800	
55	3900	
555	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *1571* Date *15 July 02.*
Sigsbee Machine. Reel. *Naval*
 Turns *715* Cor. + *72* Depth *790 fms.*
 Shot or lead *60 Lbs.*
 Bottom *on red clay*
 Bottom temperature *37.8°*
 No. of thermometer *98225* Cor. + *0.1*
 Corrected temperature *37.9*
 Air *79.* - Surface *76.* - Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>42.55</i>	<i>55.45</i>	0		
<i>43.55</i>	<i>57.15</i>	100		
<i>44.55</i>	<i>56.15</i>	200		
<i>45.50</i>	<i>55.15</i>	300		
<i>46.40</i>	<i>54.15</i>	400		
<i>47.40</i>	<i>53.10</i>	500		
<i>48.30</i>	<i>52.10</i>	600		
<i>49.30</i>	<i>51.10</i>	700		
<i>49.50</i>	<i>50.50</i>	<i>715</i> <i>800</i>		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

NE Coast, Hawaii Is - 4
 Cape Kumukahi N 84° W, 4 1/2
 10.

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
4810	255	3600	
		3700	
11.2		3800	
590		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. 15.8

No. *4542* Date *July 15*Machine. #1 Reel. *Open*Turns *76* Cor. + *76* Depth *836 fms.*Shot or lead *60 lbs.*Bottom *cr. vol. S. Fr.*Bottom temperature *35.7*No. of thermometer *95255* Cor. *- .1*Corrected temperature *35.8*Air *75* Surface *76* Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

<i>72.45</i>	<i>39.15</i>	0
<i>23.5</i>	<i>38.10</i>	100
<i>23.30</i>	<i>37.05</i>	200
<i>24.20</i>	<i>36.05</i>	300
<i>25.15</i>	<i>35.05</i>	400
<i>26.05</i>	<i>34.00</i>	500
<i>27.00</i>	<i>33.00</i>	600
<i>28.00</i>	<i>32 =</i>	700
<i>28.40</i>	<i>31.20</i>	800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Cape Kumukahi, 87°40'30" W., 9.2'

		2500	
		2600	
11		2700	
15		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
48.51	1.55	3500	
		3600	
		3700	
		3800	
36		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. 18.8

No. *Sigbee* 4543 Date *July 15*Machine. #/ Reel. *Hand*Turns *860* Cor. + *85* Depth *945 f*Shot or lead *60 lbs.*Bottom *vol. S. Fr.*Bottom temperature *36.1*No. of thermometer *98230* Cor. *+0.1*Corrected temperature *36.2*Air *75* Surface *76* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>10.31.55</i>	<i>50.50</i>	0
<i>11.55</i>	<i>49.50</i>	100
<i>13.50</i>	<i>48.45</i>	200
<i>15.45</i>	<i>47.40</i>	300
<i>17.35</i>	<i>46.35</i>	400
<i>19.30</i>	<i>45.30</i>	500
<i>21.22</i>	<i>44.30</i>	600
<i>23.30</i>	<i>43.15</i>	700
<i>25.30</i>	<i>42.20</i>	800
<i>27.20</i>	<i>41.40</i>	900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Cape Kumukahi 375° N, 12.5

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
11500	3500	255
860	3600	170
3990	3700	85
	3800	860
	3900	945
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				2
50		4810		
100		860		
200		3950		
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P. 2 3, 8

No. 4544

Date 16 Aug 1902

Machine. 1

Reel. 1

Turns 1625 Cor. +

Depth 1751 fms

Shot or lead 60 lb

Bottom gy. sand

Bottom temperature 38.1

No. of thermometer 98735

Cor. 17.1

Corrected temperature 38.1

Air 78

Surface 76

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12.07.40	12.50.10	0		
01.00	47.50	100		
02.00	47.00	200		
03.15.0	46.00	300		
04.40	45.00	400		
05.10	44.00	500		
05.40	42.10	600		
07.40	40.55	700		
10.00	37.10	800		
11.10	36.15	900		
12.00	36.40	1000		
13.00	35.10	1100		
14.00	34.40	1200		
15.40	32.30	1300		
17.45	30.40	1400		
19.00	29.10	1500		
20.30	27.00	1600		
20.40	22.00	1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Cape Kumukahi, 846° N. 103° 15'

512
111
1000

78.60 205
162.5 1091
31.65 146
162.5
1751

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. 28.8

No. 4545

Date 16 July 1907

Machine. 1

Reel. 1

Turns 1855 Cor. + 164

Depth 2019 fms.

Shot or lead 60 lb.

Bottom M. Specimen

Bottom temperature 35.6

No. of thermometer 98735

Cor. 100

Corrected temperature 35.7

Air 77

Surface 76

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1.00	1.38.20	0	
1.10	1.39.10	100	
1.20	1.40.00	200	
1.30	1.40.50	300	
1.40	1.41.40	400	
1.50	1.42.30	500	
2.00	1.43.20	600	
2.10	1.44.10	700	
2.20	1.45.00	800	
2.30	1.45.50	900	
2.40	1.46.40	1000	
2.50	1.47.30	1100	
3.00	1.48.20	1200	
3.10	1.49.10	1300	
3.20	1.50.00	1400	
3.30	1.50.50	1500	
3.40	1.51.40	1600	
3.50	1.52.30	1700	
4.00	1.53.20	1800	
4.10	1.54.10	1900	
4.20	1.55.00	2000	
4.30	1.55.50	2100	
4.40	1.56.40	2200	
4.50	1.57.30	2300	
5.00	1.58.20	2400	

Cape Kennedy 825-24 11 3/4

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
2950	455	3400	
1855	91	3500	
	164	3600	
	1855	3700	
	2019	3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 11546

Date 16 July 1891

Machine. 1

Reel. A

Turns 1384 Cor. +

Depth 1561 fms.

Shot or lead 60

Bottom gy. s. & sh.

Bottom temperature 35.0

No. of thermometer 98235 Cor. +1.

Corrected temperature 35.1

Air 77. - Surface 76. - Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3.41.20	4.30.20	0	
4.11.21	19.30	100	
4.11.21	18.30	200	
4.11.21	17.30	300	
4.11.21	16.30	400	
4.11.21	15.30	500	
4.11.21	14.30	600	
4.11.21	13.30	700	
4.11.21	12.30	800	
4.11.21	11.30	900	
4.11.21	10.30	1000	
4.11.21	09.30	1100	
4.11.21	08.30	1200	
4.11.21	07.30	1300	
4.00.00	4.00.00	1400	
		1500	
		1600	
		1700	
		1800	
		1900	
		2000	
		2100	
		2200	
		2300	
		2400	

Cape Kumukahi 24° 21' N 150° 41.0' W

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

48 10
1384
3426

255
128
127
1384
1511

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. = 41.8

Handwritten scribbles

Handwritten: H. 11/11/14

Handwritten: 16 Feb '02

No.

Date

Handwritten: 11514

Machine

Reel

Handwritten: 1/10

Turns 925 Cor. + 90

Depth 1015 fms.

Shot or lead 60 lbs.

Bottom fm. vol. S. For.

Bottom temperature 36.2

No. of thermometer 98235 Cor. + 0.1

Corrected temperature 36.3

Air 78. - Surface 77. - Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

15.52.15	6.12.45	0
55.00	12.25	100
54.50	11.25	200
55.45	10.20	300
54.50	09.15	400
55.25	08.15	500
55.25	07.10	600
55.25	05.55	700
55.00.15	04.45	800
55.00	03.15	900
55.01.00	6.02.00	1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

Cape Kumukahi 19° 2', 178° 10'

		2500
		2600
		2700
		2800
		2900
		3000
		3100
		3200
		3300
		3400
		3500
4810	255	3600
0.5	164	3700
3885	92	3800
	925	3900
	1016	4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Hutchinson

P.L. = 53.1

No. *4053* Date *16 Feb. '02.*

Tanner Machine. — Reel.

Turns *28* Cor. + *1* Depth *29 fms.*

Shot or lead *26 Lbs*

Bottom

Bottom temperature

No. of thermometer *none* Cor.

Corrected temperature

Air *81* Surface *75* Drift *N 12° E*

Trawl or dredge *5 ft. beam trawl*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>41.00</i>	<i>47.50</i>	<i>42</i> ⁰	<i>56.40</i>	<i>1.30</i>
<i>47.20</i>	<i>47.25</i>	<i>100</i>	<i>56.40</i>	<i>8-20.05</i>
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Alia Point Light (Hilo Bay), N 40° W., 5 $\frac{7}{10}$ '

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
476	12	3600	
21		3700	
468		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Tangles =			
50	2 sp. <i>Gorgonians</i> ; Hydroids attached			
100	to Coral; ditto sp. Coral; part sp.			
200	palm-leaf-like; <i>Gorgonians</i> ; part sp.			
300	ditto; 1 sp. <i>mercurian</i> ; 1 <i>ephiran</i> ;			
400	1 <i>delicatula</i> ; part sp. <i>sponges</i> .			
500				
600				
700				
800				
900				
1000				

REMARKS:

Hutchinson

No. *4054* Date *Aug 22*

Tanner Machine. Reel.

Turns *25* Cor. + *1* Depth *26 fms*

~~Shot or lead~~ *26 lbs.*

Bottom *crs co S. medium*

Bottom temperature *None*

No. of thermometer *None* Cor.

Corrected temperature

Air *53* Surface *74* Drift *{ N 26 E
1 30 }*

Trawl or dredge *Smith's beam trawl*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>5-23.45</i>	<i>24.30</i>	0	<i>8-26.50</i>	<i>53.30</i>
		100	<i>30.30</i>	<i>51.25</i>
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Alia Point Light, N 8° 30' W, 4 ⁴/₁₀

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

496

12

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Tauales.			
50	1 geryonia; 1 antipodaria;			
100	perl sp. antipodaria; 2 ophiuroids;			
200	2 medusae, 2 alpheids, 1 crab;			
300	1 gastropod; perl sp. antipodaria;			
400	brachyopoda; 2 medusae; 1 medusa.			
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4005*

Date *July 16th*

Machine. *Tanner*

Reel.

Turns *48* Cor. + *2*

Depth *50 fms*

~~Shot or lead~~ *26 lbs*

Bottom *fine gy S. Br.*

Bottom temperature

No. of thermometer *None*

Cor.

Corrected temperature

Air *73*

Surface *76*

Drift

1.0

Trawl or dredge *Dredge on ground*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5.55.15

57.00

0

7.01.30

30.10

100

04.40

26.40

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Olivia Point Light, N 20° W., 3⁵/₁₀'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
496	12	3500	
48		3600	
428		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Tangled			
50	Golden sand; mud			
100	brackish water; many small			
200	sponges; 1 shrimp; 1 crab; 1 alpheid;			
300	starfish; 1 vermetus; 1 squilla.			
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *5*Date *July 16th*Machine. *Tanner*Reel. *1*Turns *60*Cor. + *2*Depth *62 fms*~~Shot or lead~~ *26 lbs.*Bottom *cr. - Coraline*Bottom temperature *None*No. of thermometer *None*Cor. *None*Corrected temperature *None*Air *77*Surface *76*Drift *N 10° E*
*9/10*Trawl or dredge *8' beam trawl*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*9.31.50**33.45**0**7.36.10**04.40.**32.30**32.35**100**37.25**10.00.30*

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Alia Point Light, N 28° W, 2 $\frac{6}{10}$ '

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
496	12	3400	
60		3500	
436		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Tangles evidently not on bottom. No indications.			
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4057* Date *July 10-02.**Tanner* Machine. Reel.Turns *74* Cor. + *3* Depth *77 fms*Shot or lead *35 lbs*Bottom *gy s + dr*

Bottom temperature

No. of thermometer *None* Cor.

Corrected temperature

Air *76* Surface *76* Drift *15/10*Trawl or dredge *8' beam trawl*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

AM
*10-06.20**08.20**0**10-09.40**45.20**07.00**07.15**100**13.00**125**14.10**41.10**200**150**15.15**10-37.10**300*

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Point Light, N 40° 45' W., 2.0'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
495	12	3500	
72		3600	
424		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Tangle.			
50	1 mch.	1 mch.		
100	min.			
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4548* Date *July 10th*
Sanner Machine. Reel.
 Turns *72* Cor. + *3* Depth *75 fms*
 Shot or lead *26 lbs.*
 Bottom *co T. coraline*
 Bottom temperature
 No. of thermometer *None* Cor.
 Corrected temperature
 Air *76* Surface *76* Drift
 Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

ave
10-17.25
48.25

*49.30**46.20*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Electric Light, S 85° W. 1710

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

2

176
72
424

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. 55.1

No. *4549* Date *16 Aug '02*
 Machine. # *1* Reel. *Ham*
 Turns *153* Cor. + *10* Depth *168 fms*
 Shot or lead *36 lbs*
 Bottom *No specimen - hard*
 Bottom temperature
 No. of thermometer *95235* *Overst.*
 Corrected temperature
 Air *78* Surface *76* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP. *		DOWN.	UP.
<i>14.45</i>	<i>19.10</i>	0		
<i>15.35</i>	<i>17.25</i>	100		
<i>16.05</i>	<i>16.30</i>	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

High Point Light, West, 3-10'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
4510	2500	3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Shay line carried away when
 lead struck bottom.
 Lost 36 lb lead. Ther-
 mometer # 98235. Small
 lead to Shay line.

No. 11054

Date 16 July 1902

Machine # / Reel. 75225

Turns 177

Cor. +

18

Depth 195 fms.

Shot or lead 36 lbs.

Bottom Rky.

Bottom temperature

49.8

No. of thermometer 75225

Cor.

Corrected temperature

49.8

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11:12.00 11:59.40
 11:24.00 11:59.40

0

100

177

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

12:10.00 - 11:42.00
 11.50
 15.50
 2.00
 2.00

Electric Light, N 87° W, 5 1/10'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
4510	3400	255
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Tangles -			
50	1 <i>Scaphaena</i> remora; little			
100	sponge; fragment of <i>Argomon</i> ;			
200	1 each of 2 sp. <i>ophidiura</i> .			
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4650

Date 16/1/1902

Machine. 1

Reel. 1

Turns 173

Cor. + 17

Depth 190 fms

~~Shot or lead~~

Bottom Vol. S.

Bottom temperature 49.1

No. of thermometer 98238

Cor. 0

Corrected temperature 49.1

Air 81

Surface 77

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12.46.10 12.50.2
 17.00 49.20
 14.47.30 12.48.50

0

100

173

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Albia Point Light, 2879°W 6'30"

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4050* Date *16 July 1912*
Sigsbee Machine Reel *1702*

Turns *765* Cor. + *76* Depth *271* *fms*

Shot or lead *36*
 Bottom *Vol. S.*

Bottom temperature *44*

No. of thermometer *98238* Cor. *0*

Corrected temperature *44.0* *(31.0)*

Air *53* Surface *57* Drift *1.50*

Trawl or dredge *07 ft Blake*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.37.00</i>	<i>22.50</i>	0	<i>1.36.30</i>	<i>1.58.10</i>
<i>1.37.50</i>	<i>26.50</i>	100	<i>40.40</i>	<i>35.00</i>
<i>1.38.50</i>	<i>26.00</i>	200	<i>44.30</i>	<i>2.40</i>
<i>1.39.30</i>	<i>1.21.10</i>	<i>265</i>	<i>1.46.30</i>	<i>1.50.00</i>
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

de la Point Light, N 67° 15' W., 8 ⁴/₁₀'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	5 ¹ / ₂ ' Blake -			
50	Few small Lamin			
100	boulders with 2 or 3 slender			
200	Corals attached; 3 sp. ophiurans			
300	in cavities of rocks -			
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *1151* Date *16 July 1907*
 Machine. *1* Reel. *1*
 Turns *173* Cor. + *17* Depth *190 fms*
 Shot or lead *36 lb*
 Bottom *gy. s. sh.*
 Bottom temperature *50.3*
 No. of thermometer *98235* Cor. *0*
 Corrected temperature *50.2*
 Air *83* Surface *77* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.01.00</i>	<i>7.04.41</i>	0		
<i>01.41</i>	<i>07.41</i>	100		
<i>2.02.20</i>	<i>2.01.05</i>	<i>173</i>		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Mesa Point Light, 3067° 15' N., 73³/₁₀'

OK
HCB.
113
12
190

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Boat *1.6*

No. *1046* Date *16 July 1902*

Machine. *1* Reel.

Turns *820* Cor. + *82* Depth *912* fms.

Shot or lead *60 lbs.*

Bottom *fine gy. s. & M. S. for*

Bottom temperature *36.5*

No. of thermometer *98238* - Cor. *0*

Corrected temperature *36.5* (*36.7*)

Air *80* - Surface *77* - Drift *1.3*

Trawl or dredge *5 1/2' Dredge*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.40.20</i>	<i>2.55.50</i>	0	<i>3.01.45</i>	<i>5.24.30</i>
<i>41.05</i>	<i>55.45</i>	100	<i>05.30</i>	<i>20.50</i>
<i>41.55</i>	<i>54.50</i>	200	<i>09-</i>	<i>17.20</i>
<i>42.45</i>	<i>54.00</i>	300	<i>12.20</i>	
<i>43.40</i>	<i>53.00</i>	400	<i>16.30</i>	<i>10.50</i>
<i>44.30</i>	<i>52.00</i>	500	<i>20-</i>	<i>07.05</i>
<i>45.25</i>	<i>50.45</i>	600	<i>23.30</i>	<i>5.03.20</i>
<i>46.20</i>	<i>49.45</i>	700	<i>27.0</i>	<i>57.25</i>
<i>47.10</i>	<i>48.50</i>	800	<i>30-</i>	<i>54.20</i>
<i>47.50</i>	<i>48.30</i>	<i>820</i>	<i>34-</i>	<i>47.50</i>
		900	<i>37.30</i>	<i>45.20</i>
		1000	<i>41.0</i>	<i>41.20</i>
		1100	<i>44.20</i>	<i>36.55</i>
		1200	<i>47.40</i>	<i>32.15</i>
		1300	<i>50.50</i>	<i>27.20</i>
		1400	<i>54.00</i>	<i>22.40</i>
		1500	<i>57.10</i>	<i>17.50</i>
		1600	<i>4.03.30</i>	<i>1.30.00</i>
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Call's Point Light. N 70° 15' W., 10²/₁₀'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
4810	255	255
830	164	172
<u>3080</u>	<u>91</u>	<u>82</u>
	830	820
	<u>721</u>	<u>912</u>
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	5 1/2' Blot -			
50	2 serrated; few 2 sp.			
100	cythereans. 5 sp. 1 sp. 1 sp.			
200	2 sp. brachio; small.			
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1st. Shells Com.
 small bottle ezoque (Chelidonia)
 not net.

No. *4552*. Date *16 July '02*.
Sigsbee Machine. " / Reel. *Navy*
 Turns *690* Cor. + *68* Depth *758 fms.*
 Shot or lead *50 lbs.*
 Bottom *fine gy. rocks, S. for.*
 Bottom temperature *37.7*
 No. of thermometer *98238*. Cor. *0*
 Corrected temperature *37.7*
 Air *79°* - Surface *78°* - Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5. 27.40</i>	<i>5. 46.30</i>	0		
<i>28.40</i>	<i>40.25</i>	100		
<i>29.25</i>	<i>39.20</i>	200		
<i>30.10</i>	<i>38.30</i>	300		
<i>31.05</i>	<i>37.25</i>	400		
<i>31.55</i>	<i>36.25</i>	500		
<i>32.50</i>	<i>35.50</i>	600		
<i>5. 33.45</i>	<i>5. 34.50</i>	690		
		700		
		800		
<i>also mark and</i>		900		
<i>in</i>		1000		
<i>at 4060.</i>		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Clear Coast Light, N 75° W. 9 1/2

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
4810	255	3700	
		3800	
	670	3900	
	69	4000	
	755		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Cast 57 82.5

57.

No. 44 1553 Date July 17, 1902

Sigsbee Machine #1 Reel Navy

Turns 164 Cor. + 16 Depth 180 fms

Shot or lead 60 lbs

Bottom fine vol 8 For.

Bottom temperature 51.3°

No. of thermometer 70238 Cor. 0

Corrected temperature 51.3

Air 81 Surface 78 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2-53.50 57.20

0

54.00 56.15

100

55.10 55.40

164
~~200~~

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Alia Point Light, S 16° 21, S.O.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
16	3200	
16	3300	
180	3400	
	3500	
4810	3600	255
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Interruption *Continued*

No. *4554* Date *July 17*
Sigsbee Machine. #1 Reel. *Heavy*
 Turns *679* Cor. + *68* Depth *747 fms*
 Shot or lead *60 lbs*
 Bottom *fy gy S. fr*
 Bottom temperature *38.0*
 No. of thermometer *75238* Cor. *0*
 Corrected temperature *38.0*
 Air *81* Surface *78* Drift
 Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>43.25</i>	<i>51.10</i>	0		
<i>44.25</i>	<i>57.10</i>	100		
<i>45.15</i>	<i>50.10</i>	200		
<i>46.05</i>	<i>53.05</i>	300		
<i>47.00</i>	<i>54.10</i>	400		
<i>48.10</i>	<i>53.15</i>	500		
<i>49.05</i>	<i>52.10</i>	600		
<i>51.50</i>	<i>51.30</i>	<i>679</i> 700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Alia Point Light, 890 W. 9 2/10

672
541

672
541

4810

255

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *425* Date *17 July 1907*
Machine. *1* Reel. *1*
Turns *1279* Cor. + *119* Depth *1398*
Shot *60*
Bottom *gy m. dy*
Bottom temperature *35.2*
No. of thermometer *98238* Cor. *0*
Corrected temperature *35.2*
Air *74* Surface *77* Drift
Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>44.20</i>	<i>5.11.00</i>	0		
<i>45.05</i>	<i>10.00</i>	100		
<i>45.40</i>	<i>09.05</i>	200		
<i>46.40</i>	<i>08.00</i>	300		
<i>47.30</i>	<i>07.00</i>	400		
<i>48.30</i>	<i>06.00</i>	500		
<i>49.20</i>	<i>05.00</i>	600		
<i>50.20</i>	<i>04.00</i>	700		
<i>51.15</i>	<i>03.00</i>	800		
<i>52.10</i>	<i>02.00</i>	900		
<i>53.10</i>	<i>01.00</i>	1000		
<i>54.25</i>	<i>00.00</i>	1100		
<i>55.50</i>	<i>58.10</i>	1200		
<i>56.20</i>	<i>57.10</i>	<i>1279</i>		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Albatross Light, 46° 30' E, 13.0

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
45.0	25.5	3600	
127.3	12.6	3700	
353.1	11.7	3800	
	12.7	3900	
	129.5	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

107. *Sailey* *P.L.* *2.5*
 No. *4556* *Hy* Date *17 July 1902*
Sigsbee Machine. *1* Reel. *Stacy*
 Turns *175* Cor. + *47* Depth *192* *JMS*
 Shot or lead *60*
 Bottom *For + Volc S sh*
 Bottom temperature *49.1*
 No. of thermometer *98238* Cor. *0*
 Corrected temperature *49.1*
 Air *78* Surface *78* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6.38.00</i>	<i>6.42.20</i>	0		
<i>38.15</i>	<i>41.20</i>	100		
<i>6.39.30</i>	<i>40.20</i>	175		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Alia Point Light S 38° E., 18⁶/₁₀'

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4810 2000

175
17
192

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4557* Date *17 July 02*
Sigsbee Machine. *1* Reel. *Trolley*
 Turns *898* Cor. + *88* Depth *986 fms*
 Shot or lead *60 #*
 Bottom *fn gy S. Lap brg.*
 Bottom temperature *36.0*
 No. of thermometer *98238* Cor. *0*
 Corrected temperature *36.0*
 Air *78* Surface *77* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7.16.15</i>	<i>7.31.00</i>	0		
<i>17.00</i>	<i>30.00</i>	100		
<i>17.50</i>	<i>29.15</i>	200		
<i>18.40</i>	<i>31.50</i>	300		
<i>19.30</i>	<i>30.45</i>	400		
<i>20.20</i>	<i>29.45</i>	500		
<i>21.15</i>	<i>28.30</i>	600		
<i>22.10</i>	<i>27.15</i>	700		
<i>23.10</i>	<i>26.10</i>	800		
<i>24.10</i>	<i>7.25.20</i>	<i>898</i>		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Alia Point Light, S35°E, 21 $\frac{4}{10}$ '

OK
HCS
is

4810 - 255 -

898 167

3912

88
8986
986